Contents

Achazi, R. K.
Phosphorylation of Molluscan Paramyosin 197

Agoston, S., s. Folgering, H., et al. 181

Akaike, N.
Development of Pump Electrogenesis in Hypokalaemic Rat Muscle 215

Albus, H., s. Groot, J. A., et al. 1

Assumpção, J. A., s. Davidson, N., et al. 149

Attwell, D., Cohen, I., Eisner, D., Ohba, M., Ojeda, C.
The Steady State TTX-Sensitive ("Window") Sodium Current in Cardiac Purkinje Fibres 137

Bass, A., Gutmann, E., Hanzlíková, V., Teissinger, J.
Effects of Ischaemia on Enzyme-Activities in the Soleus Muscle of the Rat 203

Bergamini, E., s. Villa-Moruzzi, E., et al. 301

Bernardi, N., s. Davidson, N., et al. 149

Boom, H. B. K., s. Schiereck, P. 251

Caillé, J., Ildefonse, M., Rougier, O.
Evidence for an Action of Sodium Ions in the Activation of Contraction of Twitch Muscle Fibre 117

Carstens, E., Tulloch, I., Zieglgänsberger, W., Zimmermann, M.
Presynaptic Excitability Changes Induced by Morphine in Single Cutaneous Afferent C- and A-Fibers 143

Cheung, S. C., s. Cheung, Y. M., et al. 101

Cheung, Y. M., Hwang, J. C., Chung, S. H., Cheung, S. C.
Changes in Diffraction Patterns with Length in Single Muscle Fibres at Rest 101

Chung, S. H., s. Cheung, Y. M., et al. 101

Cohen, I., s. Attwell, D., et al. 137

Dacke, C. G., s. Davidson, N., et al. 149

Davidson, N., Bernardi, N., Fawcett, M., Wong, E., Assumpção, J. A., Dacke, C. G.
A Possible Neuronal Release of [^{14}C] GABA from the Rat Cerebellum in vivo 149

Debreczeni, L., s. Farsang, C., et al. 223

Delaval, E., Moreau, E., Geloso, J.-P.
Development of Ammonia and Glucose Productions from Glutamine in Foetal Rat Kidney; Effects of Metabolic Acidosis 95

Delpierre, S., Guillot, C., Fornaris, M., Jammes, Y., Grimaud, C.
Transient Hypoxia: Ventilatory Response after Vagotomy and during Artificial Phasic Inflation 53

Dev, N. B., Loeschcke, H. H.
Topography of the Respiratory and Circulatory Responses to Acetylcholine and Nicotine on the Ventral Surface of the Medulla oblongata 19

Dev, N. B., Loeschcke, H. H.
A Cholinergic Mechanism Involved in the Respiratory Chemosensitivity of the Medulla oblongata in the Cat 29

Dikstein, S., s. Shalita, B. 245

Eisner, D., s. Attwell, D., et al. 137

Farrar, J. T., s. Tasaka, K., et al. 303

Farsang, C., Debreczeni, L., Kerényi, Á., Takács, L.
Effect of Phenoxybenzamine and Propranolol on Myocardial Reactive Hyperaemia in Fibrillating Canine Heart 223

Fawcett, A. A., s. Hales, J. R. S., et al. 295

Fawcett, M., s. Davidson, N., et al. 149

Ferard, G., s. Vasseur, M., et al. 297

Folgering, H., Rutten, J., Agoston, S.
Stimulation of Phrenic Nerve Activity by an Acetylcholine Releasing Drug: 4-Aminopyridine 181

Fornaris, M., s. Delpierre, S., et al. 53

Fossat, B., Lahlou, B.
Failure of 2,4,6-Triaminopyrimidine (TAP) to Block Sodium Pathways in a "Leaky" Epithelium. The Urinary Bladder of the Trout 287

Fukuda, Y., Loeschcke, H. H.
A Cholinergic Mechanism Involved in the Neuronal Excitation by H^+ in the Respiratory Chemosensitive Structures of the Ventral Medulla oblongata of Rats in vitro 125

Gary-Bobo, C. M., s. Goudeau, H., et al. 71

Geloso, J.-P., s. Delaval, E., et al. 95

Goudeau, H., Wietzerbin, J., Gary-Bobo, C. M.
Effects of Mucosal Lanthanum on Electrical Parameters of Isolated Frog Skin. Mechanism of Action 71

Green, H. J., s. Thomson, J. A., et al. 105

Greger, R., s. Oberleithner, H., et al. 37

Grimaud, C., s. Delpierre, S., et al. 53

Groot, J. A., Albus, H., Siegenbeek van Heukelom, J.
A Mechanistic Explanation of the Effect of Potassium on Goldfish Intestinal Transport 1

Gross, R., Ruffmann, K., Kirchheim, H.
The Separate and Combined Influences of Common Carotid Occlusion and Nonhypotensive Hemorrhage on Kidney Blood Flow 81

Guillot, C., s. Delpierre, S., et al. 53

Gutmann, E., s. Bass, A., et al. 203

Gutmann, E., s. Hanzlíková, V. 209

Gutsche, H.-U., s. Mason, J., et al. 11

Hales, J. R. S., King, R. B., Fawcett, A. A.
Observations on the Validity of Using "NEN-TRAC" Microspheres for Measuring Organ Blood Flow 295

Hanzlíková, V., Gutmann, E.
Effects of Ischemia on Contractile and Histochemical Properties of the Rat Soleus Muscle 209

Hanzlíková, V., s. Bass, A., et al. 203

Herbst, R., s. Schnermann, J., et al. 269

Hermle, M., s. Schnermann, J., et al. 269

Hiley, C. R., s. Yates, M. S. 219

Houston, M. E., s. Thomson, J. A., et al. 105

Hwang, J. C., s. Cheung, Y. M., et al. 101

Ildefonse, M., s. Caillé, J., et al. 117

Jammes, Y., s. Delpierre, S., et al. 53

Kawano, M., s. Nosaka, S., et al. 281

Kerényi, A., s. Farsang, C., et al. 223

King, R. B., s. Hales, J. R. S., et al. 295

Kirchheim, H., s. Gross, R., et al. 81

Knop, N., s. Landsman, M. L. J., et al. 59

Lahlou, B., s. Fossat, B. 287

Landsman, M. L. J., Knop, N., Mook, G. A., Zijlstra, W. G.
A Fiberoptic Reflection Densitometer with Cardiac Output Calculator 59

Lang, F., s. Oberleithner, H., et al. 37

Locci-Cubeddu, T., s. Villa-Moruzzi, E., et al. 301

Loeschcke, H. H., s. Dev, N. B. 19; 29

Loeschcke, H. H., s. Fukuda, Y. 125

Loiselle, D. S.
The Effects of Temperature on the Energetics of Rat Papillary Muscle 173

Lorković, H.
Effects of Motor Nerve Anesthesia and Tenotomy on Muscle Membrane Properties 89

Manz, R., s. Vaupel, P., et al. 109

Martin, R., s. Simon-Oppermann, C. 291

Mason, J., Gutsche, H.-U., Moore, L., Müller-Suur, R.
The Early Phase of Experimental Acute Renal Failure. IV. The Diluting Ability of the Short Loops of Henle 11

Mongo, K. G., s. Roulet, M.-J., et al. 259

Mook, G. A., s. Landsman, M. L. J., et al. 59

Moore, L., s. Mason, J., et al. 11

Moreau, E., s. Delaval, E., et al. 95

Müller-Klieser, W., s. Vaupel, P., et al. 109

Müller-Suur, R., s. Mason, J., et al. 11

Murakami, N., Uchimura, H., Sakata, Y.
Comparison of Thermosensitivity in the Preoptic/Anterior Hypothalamic Area and the Midbrain of the Rabbit 113

Mutai, M., s. Umesaki, Y., et al. 43

Nosaka, S., Yasunaga, K., Kawano, M.
Vagus Cardioinhibitory Fibers in Rats 281

Oberleithner, H., Lang, F., Greger, R., Sporer, H.
Influence of Calcium and Ionophore 23187 on Tubular Phosphate Reabsorption 37

Ohba, M., s. Attwell, D., et al. 137

Ojeda, C., s. Attwell, D., et al. 137

Orlov, S. N., s. Postnov, Yu. V., et al. 191

Papavassiliou, F., s. Ullrich, K. J. 49

Pinard, E., Purves, M. J., Seylaz, J., Vasquez, J. V.
The Cholinergic Pathway to Cerebral Blood Vessels. II. Physiological Studies 165

Pokudin, N. I., s. Postnov, Yu. V., et al. 191

Postnov, Yu. V., Orlov, S. N., Pokudin, N. I.
Decrease of Calcium Binding by the Red Blood Cell Membrane in Spontaneously Hypertensive Rats and in Essential Hypertension 191

Postnov, Yu. V., Reznikova, M.
Glucose Uptake and Triglyceride Synthesis in Adipose Tissue of Spontaneously and Renal Hypertensive Rats (Alterations Revealed by Adrenalectomy) 187

Pousse, A., s. Vasseur, M., et al. 297

Purves, M. J., s. Pinard, E., et al. 165

Purves, M. J., s. Vasquez, J. 157

Reznikova, M., s. Postnov, Yu. V. 187

Rougier, O., s. Caillé, J., et al. 117

Roulet, M.-J., Mongo, K. G., Vassort, G., Ventura-Clapier, R.
The Dependence of Twitch Relaxation on Sodium Ions and on Internal Ca^{2+} Stores in Voltage Clamped Frog Atrial Fibres 259

Ruffmann, K., s. Gross, R., et al. 81

Rutten, J., s. Folgering, H., et al. 181

Sakata, Y., s. Murakami, N., et al. 113

Schiereck, P., Boom, H. B. K.
Left Ventricular Force-Velocity Relations Measured from Quick Volume Changes 251

Schnermann, J., Schubert, G., Hermle, M., Herbst, R., Stowe, N. T., Yarimizu, S., Weber, P. C.
The Effect of Inhibition of Prostaglandin Synthesis on Tubuloglomerular Feedback in the Rat Kidney 269

Schubert, G., s. Schnermann, J., et al. 269

Seylaz, J., s. Pinard, E., et al. 165

Shalita, B., Dikstein, S.
D-Tyrosine Prevents Hypertension in DOCA-Saline Treated Uninephrectomised Rats 245

Siegenbeek van Heukelom, J., s. Groot, J. A., et al. 1

Simon-Oppermann, C., Martin, R.
Mammalian-Like Thermosensitivity in the Lower Brainstem of the Pekin Duck 291

Skadhauge, E., Thomas, D. H.
Transepithelial Transport of K^+, NH_4^+, Inorganic Phosphate and Water by Hen (*Gallus domesticus*) Lower Intestine (Colon and Coprodeum) Perfused Luminally in vivo 237

Skadhauge, E., s. Thomas, D. H. 229

Sporer, H., s. Oberleithner, H., et al. 37

Stowe, N. T., s. Schnermann, J., et al. 269

Takács, L., s. Farsang, C., et al. 223

Tasaka, K., Williams, L., Farrar, J. T.
Characteristics of Intraluminal Pressure Sensing Balloons of Different Materials 303

Teissinger, J., s. Bass, A., et al. 203

Thomas, D. H., Skadhauge, E.
Dietary Na^+ Effects on Transepithelial Transport of NaCl by Hen (*Gallus domesticus*) Lower Intestine (Colon and Coprodeum) Perfused Luminally in vivo 229

Thomas, D. H., s. Skadhauge, E. 237

Thomson, J. A., Green, H. J., Houston, M. E.
Muscle Glycogen Depletion Patterns in Fast Twitch Fibre Subgroups of Man During Submaximal and Supramaximal Exercise 105

Trube, G.
Anion Dependence of the Contractions of Skinned Cardiac Cells 121

Tulloch, I., s. Carstens, E., et al. 143

Uchimura, H., s. Murakami, N., et al. 113

Ullrich, K. J., Papavassiliou, F.
Sodium Reabsorption in the Papillary Collecting Duct of Rats. Effect of Adrenalectomy, Low Na^+ Diet, Acetazolamide, HCO_3^- – Free Solutions and of Amiloride 49

Umesaki, Y., Yajima, T., Yokokura, T., Mutai, M.
Effect of Organic Acid Absorption on Bicarbonate Transport in Rat Colon 43

Vasquez, J., Purves, M. J.
The Cholinergic Pathway to Cerebral Blood Vessels. I. Morphological Studies 157

Vasquez, J. V., s. Pinard, E., et al. 165

Vasseur, M., Ferard, G., Pousse, A.
Do Low Doses of Deoxycholate Modify the Release of Rat Jejunal Brush Border Hydrolases? 297

Vassort, G., s. Roulet, M.-J., et al. 259

Vaupel, P., Manz, R., Müller-Klieser, W.
Respiratory Gas Exchange in the Rat Spleen in situ and Intrasplenic Oxyhemoglobin Saturation 109

Ventura-Clapier, R., s. Roulet, M.-J., et al. 259

Villa-Moruzzi, E., Locci-Cubeddu, T., Bergamini, E.
Effects of Adrenaline Administration on the Activity of Glycogen Metabolizing Enzymes in Different Muscle Types 301

Weber, P. C., s. Schnermann, J., et al. 269

Wietzerbin, J., s. Goudeau, H., et al. 71

Williams, L., s. Tasaka, K., et al. 303

Wong, E., s. Davidson, N., et al. 149

Yajima, T., s. Umesaki, Y., et al. 43

Yarimizu, S., s. Schnermann, J., et al. 269

Yasunaga, K., s. Nosaka, S., et al. 281

Yates, M. S., Hiley, C. R.
Distribution of Cardiac Output in Different Models of Hypertension in the Conscious Rat 219

Yokokura, T., s. Umesaki, Y., et al. 43

Zieglgänsberger, W., s. Carstens, E., et al. 143

Zijlstra, W. G., s. Landsman, M. L. J., et al. 59

Zimmermann, M., s. Carstens, E., et al. 143

Indexed in Current Contents